

Pat nt Abstracts of Japan

PUBLICATION NUMBER : 11250863  
PUBLICATION DATE : 17-09-99

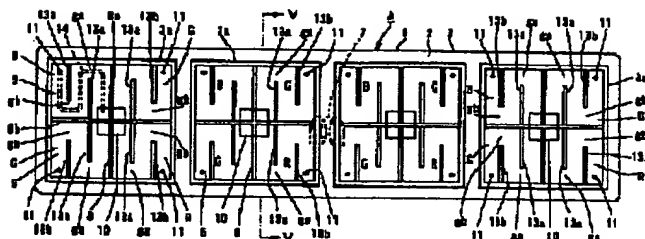
APPLICATION DATE : 26-02-98  
APPLICATION NUMBER : 10045785

APPLICANT : TOSHIBA LIGHTING & TECHNOLOGY  
CORP;

INVENTOR : HONDA KOICHI;

INT.CL. : H01J 61/94 G09F 9/30 H01J 61/92

TITLE : FLUORESCENT LAMP FOR DISPLAY



ABSTRACT : PROBLEM TO BE SOLVED: To provide a fluorescent lamp of high brightness in which installation of an anode and handling of its wiring are easy.

SOLUTION: This device is provided with a gas tight container 1 comprising a transmissive front surface plate 2, a cathode chamber, and plural rectangular light emitting chambers 5 disposed between the transmissive front surface plate 2 and the cathode chamber to be roughly flush with them, and having a phosphor layer on an inner surface, having a discharge hole 10 communicating between the light emitting chamber and the cathode chamber formed for each light emitting chamber to be adjacent to one side of plural adjacent light emitting chambers 5 or integrated with it; and discharge partition walls 13a, 13b to bend a discharge path 14 in each light emitting chamber for twice or more to be extended to a length of three times or more of a long side of each light emitting chamber. The discharge path in each light emitting chamber is thus bent twice or more to be formed to the length three times or more the long side of the light emitting chamber, so the length of a positive column passing the light emitting chamber becomes longer, and light emission quantity of the phosphor layer excited by the positive column to emit light is increased, thereby brightness in each light emitting chamber can be increased.

COPYRIGHT: (C)1999,JPO